



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/18151

Source: USPTO

Date Processed by STIC: 03/22

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
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Does Not Comply
Corrected Diskette Needed

OPIE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/981,151

DATE: 06/28/2002
TIME: 10:27:32

Input Set : A:\Cura-468.app
Output Set: N:\CRF3\06282002\I981151.raw

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3 110> APPLICANT: Edinger, Shlomit R
4 Gerlach, Valerie
5 MacDougall, John R
6 Malyankar, Muriel M
7 Smithson, Glennda
8 Milliet, Isabelle
9 Peyman, John A
10 Stone, David J
11 Sunther, Erik
12 Ellerman, Karen
13 Shimkets, Richard A
14 Padigaru, Muralidhara
15 Guo, Xiaojia
16 Paturajan, Meera
17 Taupier Jr, Raymond J
18 Burgess, Catherine E
19 Zerhusen, Bryan D
20 Kekuda, Ramesh
21 Spytek, Kimberly A
22 Gangolli, Esha A
23 Fernandes, Elma R
24 Gorman, Linda
25 120> TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
26 130> FILE REFERENCE: 21402-168
30 140> CURRENT APPLICATION NUMBER: 09/981,151
31 141> CURRENT FILING DATE 2001-10-16
33 150> PRIOR APPLICATION NUMBER: 60/241,040
34 151> PFIOP FILING DATE: 2000-10-17
36 150> PFIOP APPLICATION NUMBER: 60/241,058
37 151> PFIOP FILING DATE 2000-10-17
39 150> PFIOP APPLICATION NUMBER: 60/241,063
40 151> PFIOP FILING DATE 2000-10-17
42 150> PFIOP APPLICATION NUMBER: 60/241,243
43 151> PFIOP FILING DATE 2000-10-17
45 150> PFIOP APPLICATION NUMBER: 60/242,152
46 151> PFIOP FILING DATE: 2000-10-20
48 150> PFIOP APPLICATION NUMBER: 60/242,482
49 151> PFIOP FILING DATE 2000-10-23
51 150> PFIOP APPLICATION NUMBER: 60/242,611
52 151> PFIOP FILING DATE: 2000-10-23
54 150> PFIOP APPLICATION NUMBER: 60/242,612
55 151> PFIOP FILING DATE: 2000-10-23
57 150> PFIOP APPLICATION NUMBER: 60/242,880

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PATENT APPLICATION US/09/981,151

DATE: 06/28/2002
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Output Set: N:\CRF3\06282002\I981151.raw

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 70 <151> PRIOR FILING DATE 2001-04-25
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↗ n also detected at positions
 2383 + 2983 but explanation
 was omitted

RAW SEQUENCE LISTING

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Input Set : A:\Cura-468.app

Output Set: N:\CRF3\06282002\I981151.raw

118 attaatgaag atacaggctc tggactggcc ttcaccattc cccatgagtc tggacacaac 1560
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 121 ctacacaaat ttctaaagcac cgctcaagct atctgccttgc ctgatcagcc aaagcctgt 1740
 122 aaggaaataca agtatacttgc gaaattgcac ggagaattat atgatgcaaa cacacagtgc 1800
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 158 Arg Gly Asn Arg Gly Ser Gly Gln Leu Glu Ala Ser Pro Pro Arg Leu
 159 35 40 45
 160 Leu Ser Arg Gly Pro Arg Arg Leu Thr Ala Met Ser Pro Leu Phe Ser
 161 50 55 60
 162 Ala Gly Thr Cys Val Arg His Gly Thr Arg Ser Gly Ser Ala Trp Glu
 163 65 70 75 80
 164 Pro Glu Arg Pro Ala Ser Ser Ser Thr Arg Gly Ala Ala Gly Leu Asp
 165 85 90 95
 166 Gly Lys Gly Arg Asp Met Asp Glu Ala Gly Asn His Arg Ser Gln Gln
 167 100 105 110
 168 Thr Asn Thr Gly Thr Glu Asn Gln Thr Leu His Val Leu Thr Gln Tyr

Xaa was also detected
 at position 797, but
 explanation was omitted

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/981,151

DATE: 06/28/2002
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Input Set A:\Cura-468.app
 Output Set N:\CRF3\06282002\I981151.raw

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181	130	135	140	
183	His Glu Ile Met His His Gln Arg Arg Arg Ala Val Ala Val Ser			
184	145	150	155	160
186	Glu Val Glu Ser Leu His Leu Arg Leu Lys Gly Pro Arg His Asp Phe			
187	165	170	175	
189	His Met Asp Leu Arg Thr Ser Ser Leu Val Ala Pro Gly Phe Ile			
190	180	185	190	
192	Val Gln Thr Leu Gly Lys Thr Gly Thr Lys Ser Val Gln Thr Leu Pro			
193	195	200	205	
195	Pro Glu Asp Phe Cys Phe Tyr Gln Gly Ser Leu Arg Ser His Arg Asn			
196	210	215	220	
198	Ser Pro Ser His Gly Gly Lys Phe Cys Glu Gly Ser Thr Arg Thr Leu			
199	225	230	235	240
201	Lys Leu Cys Asn Ser Gln Lys Cys Pro Arg Asp Ser Val Asp Phe Arg			
202	245	250	255	
204	Ala Ala Gln Cys Ala Glu His Asn Ser Arg Arg Phe Arg Gly Arg His			
205	260	265	270	
W-->	207 Tyr Lys Trp Lys Pro Tyr Thr Gln Val Glu Xaa Asp Leu Cys Lys Leu			
208	275	280	285	
210	Tyr Cys Ile Ala Glu Gly Phe Asp Phe Phe Ser Leu Ser Asn Lys			
211	290	295	300	
213	Val Lys Asp Gly Thr Pro Cys Ser Glu Asp Ser Arg Asn Val Cys Ile			
214	305	310	315	320
216	Asp Gly Ile Cys Glu Leu Ser Val Val Ser Thr Ser Ala His Met Pro			
217	325	330	335	
219	Gln Pro Pro Lys Glu Asp Leu Phe Ile Leu Pro Asp Glu Tyr Lys Ser			
220	340	345	350	
222	Cys Leu Arg His Lys Arg Ser Leu Leu Arg Ser His Arg Asn Glu Glu			
223	355	360	365	
225	Leu Asn Val Glu Thr Leu Val Val Asp Lys Lys Met Met Gln Asn			
226	370	375	380	
228	His Gly His Glu Asn Ile Thr Thr Tyr Val Leu Thr Ile Leu Asn Met			
229	385	390	395	400
231	Val Ser Ala Leu Phe Lys Asp Gly Thr Ile Gly Gly Asn Ile Asn Ile			
232	405	410	415	
234	Ala Ile Val Gly Leu Ile Leu Glu Asp Glu Gln Pro Gly Leu Val			
235	420	425	430	
237	Ile Ser His His Ala Asp His Thr Leu Ser Ser Phe Cys Gln Trp Gln			
238	435	440	445	
240	Ser Gly Leu Met Gly Lys Asp Gly Thr Arg His Asp His Ala Ile Leu			
241	450	455	460	
243	Leu Thr Gly Leu Asp Ile Cys Ser Trp Lys Asn Glu Pro Cys Asp Thr			
244	465	470	475	480
246	Leu Gly Phe Ala Pro Ile Ser Gly Met Cys Ser Lys Tyr Arg Ser Cys			
247	485	490	495	
249	Thr Ile Asn Glu Asp Thr Gly Leu Gly Leu Ala Phe Thr Ile Ala His			
250	500	505	510	

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/981,151

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Input Set : A:\Cura-468.app
Output Set: N:\CRF3\06282002\I981151.raw

252 Glu Ser Gly His Asn Phe Gly Met Ile His Asp Gly Glu Gly Asn Met
253 515 520 525
254 Cys Lys Lys Ser Glu Gly Asn Ile Met Ser Pro Thr Leu Ala Gly Arg
256 530 535 540
258 Asn Gly Val Phe Ser Trp Ser Pro Cys Ser Arg Gln Tyr Leu His Lys
259 545 550 555 560
261 Phe Leu Ser Thr Ala Gln Ala Ile Cys Leu Ala Asp Gln Pro Lys Pro
262 565 570 575
264 Val Lys Glu Tyr Lys Tyr Pro Glu Lys Leu Pro Gly Glu Leu Tyr Asp
265 580 585 590
267 Ala Asn Thr Gln Cys Lys Trp Gln Phe Gly Glu Lys Ala Lys Leu Cys
268 595 600 605
270 Met Leu Asp Phe Lys Lys Asp Ile Cys Lys Ala Leu Trp Cys His Arg
271 610 615 620
273 Ile Gly Arg Lys Cys Glu Thr Lys Phe Met Pro Ala Ala Glu Gly Thr
274 625 630 635 640
276 Ile Cys Gly His Asp Met Trp Cys Arg Gly Gly Gln Cys Val Lys Tyr
277 645 650 655
279 Gly Asp Glu Gly Pro Lys Pro Thr His Gly His Trp Ser Asp Trp Ser
280 660 665 670
282 Ser Trp Ser Pro Cys Ser Arg Thr Cys Gly Gly Val Ser His Arg
283 675 680 685
285 Ser Arg Leu Cys Thr Asn Pro Asn Pro Ser His Gly Gly Lys Phe Cys
286 690 695 700
288 Glu Gly Ser Thr Arg Thr Leu Lys Leu Cys Asn Ser Gln Lys Cys Pro
289 705 710 715 720
291 Arg Asp Ser Val Asp Phe Arg Ala Ala Gln Cys Ala Glu His Asn Ser
292 725 730 735
294 Arg Arg Phe Arg Gly Arg His Tyr Lys Trp Lys Pro Gln Asp Leu Cys
295 740 745 750
297 Lys Leu Tyr Cys Ile Ala Glu Gly Phe Asp Phe Phe Ser Leu Ser
298 755 760 765
300 Asn Lys Val Lys Asp Gly Thr Pro Cys Ser Glu Asp Ser Arg Asn Val
301 770 775 780
W--> 303 Cys Ile Asp Gly Ile Cys Glu Xaa Gly Cys Asp Asn Val Leu Gly Ser
304 785 790 795 800
306 Asp Ala Val Glu Asp Val Cys Gly Val Cys Asn Gly Asn Asn Ser Ala
307 805 810 815
309 Cys Thr Ile His Arg Gly Leu Tyr Thr Lys His His His Thr Asn His
310 820 825 830
312 Tyr His Met Val Thr Ile Pro Ser Gly Ala Arg Ser Ile Arg Ile Tyr
313 835 840 845
315 Glu Met Asn Val Ser Thr Ser Tyr Ile Ser Val Arg Asn Ala Leu Arg
316 850 855 860
318 Arg Tyr Tyr Leu Asn Gly His Trp Thr Val Asp Trp Pro Gly Arg Tyr
319 865 870 875 880
321 Lys Phe Ser Gly Thr Thr Phe Asp Tyr Arg Arg Ser Tyr Asn Glu Pro
322 885 890 895
324 Glu Asn Leu Ile Ala Thr Gly Pro Thr Asn Glu Thr Leu Ile Val Glu

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/28/2002
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Input Set : A:\Cura-468.app
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq# 1; N Pos. 857,858,2383,2983
Seq# 2; Xaa Pos. 283,792
Seq# 23; N Pos. 2196,2230,2261,2270,2295,2301
Seq# 34; Xaa Pos. 450
Seq# 65; Xaa Pos. 41

VERIFICATION SUMMARY

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Input Set : A:\Cura-468.app

Output Set: N:\CRF3\06282002\I981151.raw

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L:132 M 341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:2340
L:142 M 341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:2940
L:207 M 341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:272
L:303 M 341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:784
L:1962 M 341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:2160
L:1963 M 341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:2220
L:1964 M 341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:2280
L:3362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:448
L:6512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:32